LESSON 2 WORKSHEET **NAME:**_____
SURVIVAL SCIENCE **INITIALS:**_____

SURVIVING THE FLOOD

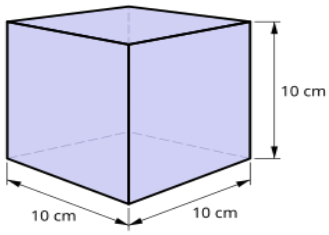
1. Calculate the volume/capacity of Noah's Ark in cubic cubits using the Biblical measures.

- 300 CUBITS LONG 137 METERS LONG
- 50 CUBITS WIDE 23 METERS WIDE
- 30 CUBITS TALL 14 METERS TALL

EQUATIONS: _____ **ANSWER:**_____cubic cubits

_____**ANSWER:**_____ cubic meters

CONVERSIONS WITHIN THE METRIC SYSTEM (BASE 10)



2. **Convert** (using a perfect cube measuring 10 cm per side)

PROBLEM 2A:

a) What is the **length** of the sides: _____ cm
b) What is the **length** of the sides: _____ mm

Conversion Equation: 10 cm x 10 mm/cm = 100 mm_____ (cancel cm)

Conversion Question: 10 cm = _____ decimeters (dm)

PROBLEM 2B:

c) What is the **area** of one side of the cube (sq cm): _____sq cm; What is the area in sq mm _____ sq mm (see lesson materials)

Equation: _____ x _____ = _____sq cm (cm^2)

Equation: _____ x _____ = _____sq mm (mm^2)

THREE DIMENSION (3D) PROBLEMS USING THE SAME CUBE AS ABOVE

PROBLEM 2C: Equation in cm: _____ x _____ x_____ =

d) What is the **volume** of the cube in cubic centimeters?
To find cubic centimeters (cm^3) multiply l x w x h. **ANSWER:** _____ cm^3

PROBLEM 2D: Equation in mm: _____ x _____ x_____ =

e) Find the volume of the cube in cubic millimeters?
Use mm in the equation (not cm). l x w x h **ANSWER:** _____ mm^3